






Assessment Summary

Levisa Fork 65.05 to 97.8 KY496312_06	 <p>This part of the stream partially supports aquatic life, does not support swimming (Primary Contact Recreation), fully supports drinking water (Domestic Water Supply).</p>
Beaver Creek to Russell Fork	
Pike County, Big Sandy River Basin	
HUC 05070202	
Assessment Date: 5/6/2016	




Use	Cause of Impairment	Suspected Source(s) of Impairment	Basis for Listing	Data Collection and Analysis Methods ^{1,2,3}
 (2B-FS)	Chlorine (cause no longer associated with impairment - proposed for delisting)			Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring
 (5-PS)	Organic Enrichment (Sewage) Biological Indicators	Loss of Riparian Habitat, Municipal (Urbanized High Density Area), Non-Point Source, Urban Runoff/Storm Sewers	Problems associated with decaying plant and animal material (e.g. waste) are evident in water quality conditions and/or the aquatic community	Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring
 (2B-FS)	Oxygen, Dissolved (cause no longer associated with impairment - proposed for delisting)			Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring
 (5-PS)	Specific Conductance	Coal Mining, Loss of Riparian Habitat, Municipal (Urbanized High Density Area), Non-Point Source, Petroleum/natural Gas Activities, Urban Runoff/Storm Sewers	Elevated dissolved substances are negatively affecting the aquatic community	Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring

¹ Data locations: Physical/chemical monitoring data and pathogen data can be found on the EPA Water Quality Portal; chemical monitoring data for regulated facilities (e.g. wastewater and drinking water) can be found in the EPA ECHO database (online); biological monitoring summary scores and habitat assessment scores can be found in the EPA STORET database (online); and raw community species data and fish tissue analysis data are available on request through KDOW Open Records (expected in STORET 2015).

² Data Source(s): KDOW AB, KDOW AWQ, KDOW BACT, PWS

³ Data Collection Date(s): 10/3/2007 - 12/31/2014

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 (5-PS)	Total Suspended Solids (TSS)	Coal Mining, Loss of Riparian Habitat, Municipal (Urbanized High Density Area), Non-Point Source, Package Plant or Other Permitted Small Flows Discharges	Concentrations are negatively affecting the aquatic community and/or recreation	Biological Monitoring, Habitat Assessment, Physical/Chemical Monitoring
 (5-NS)	Escherichia coli	On-site Treatment Systems (Septic Systems and Similar Decentralized Systems), Package Plant or Other Permitted Small Flows Discharges, Urban Runoff/Storm Sewers	Concentrations exceeded the water quality standard	Monitoring data more than 5 years old, Pathogen Monitoring
 (2-FS)				Drinking Water Monitoring (Finished Water)

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